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31 OCT 86

TO: (Name, office symbol, room number, building, Agency/Post)		Initials	Date
1. DIRECTOR OF SECURITY			
2.			
3.			
4.			
5.			

Action	File	Note and Return
Approval	For Clearance	Per Conversation
As Requested	For Correction	Prepare Reply
Circulate	For Your Information	See Me
Comment	Investigate	Signature
Coordination	Justify	

**REMARKS**

#1 - FOR YOUR INFO

cc: DIRECTOR OF INFORMATION TECHNOLOGY

DD/A REGISTRY  
FILE: 45-1

*done - sd*

4 NOV 1986

DO NOT use this form as a RECORD of approvals, concurrences, disposals, clearances, and similar actions

FROM: (Name, org. symbol, Agency/Post)	Room No.—Bldg.
	Phone No.

5041-102

\* U.S.G.P.O.: 1983-421-529/320

OPTIONAL FORM 41 (Rev. 7-76)  
Prescribed by GSA  
FPMR (41 CFR) 101-11.206

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ESTAT  
E-5051X-80

# **EXECUTIVE SECRETARIAT** **ROUTING SLIP**

TO:

		ACTION	INFO	DATE	INITIAL
1	DCI				
2	DDCI				
3	EXDIR				
4	D/ICS				
5	DDI				
6	DDA	X			
7	DDO				
8	DDS&T				
9	Chm/NIC				
10	GC				
11	IG				
12	Compt				
13	D/OLL				
14	D/PAO				
15	D/PERS				
16	VC/NIC				
17					
18					
19					
20					
21					
22					
SUSPENSE		Date			

Remarks

STAT

*H/* Executive Secretary  
30 Oct 86

Date

3637 (10-81)



86-5051x

## COMMUNICATION SCIENCES CORPORATION

COMPUTER SYSTEM INTEGRATION AND SUPPORT

ROUTE 1, BOX 130

THORNBURG, VA 22565

703-582-6910



Office of the Director  
Central Intelligence Agency  
Washington, DC 20505

October 28, 1986

Subject: IBM PC/XT/AT Hard Disks and Security.

Attn: Mr. William J. Casey

Gentlemen:

Communication Sciences Corporation (ComSci) has developed proprietary software that will, among other things, automatically sanitize (declassify) hard disks that contain classified data.

As you may be aware, when a file on a hard disk is "erased" using DOS, the file data is not erased. Only a single character of its directory entry is modified. The sectors (clusters) formerly allocated to the file are made available for re-use but are not erased. Such "erased" files can be easily recovered.

The ComSci software offered here was developed to support ComSci's hard disk overhaul service. The program is used in final testing to write to, and read from, all unused sectors. Since this process overwrites all DOS erased file data, and then verifies what it wrote, it can also be used to declassify the hard disks.

As our contribution to national security, we hereby offer your agency an unlimited use license to this software for a one time fee of \$25. You may make as many copies as you desire and may use the software on multiple machines at multiple locations for the single \$25 fee.

Our software will be a valuable security tool because it will permit hard disks to be easily declassified. Some situations where it would be useful include:

1. Hard disk files can be erased and completely sanitized by users on a day-to-day basis. Thus, sensitive, compartmented drafts and backups can be completely removed from a hard disk as deemed appropriate by the originator (user).

2. A security requirement to run the program once a day would ensure that all DOS erased file data were, in fact, overwritten (made unrecoverable).

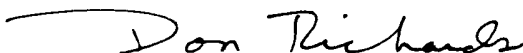
3. Hard disks can be backed up on tape and then can be automatically completely erased (all sectors overwritten), thus sanitizing the hard disk. This would declassify a machine (hard disk) prior to movement from one area to another.

4. The program will detect subtle hard disks errors and alert the user before the hard disk becomes inaccessible. Thus, the hard disk can be erased and declassified for maintenance before it becomes completely unuseable (and cannot be erased).

We would welcome the opportunity to meet at your facility to demonstrate the use of the software and to discuss how we might provide your agency with on-site hard disk testing and repair services, should the requirement arise.

Please contact the undersigned if you wish to set up a meeting.

Very sincerely,

A handwritten signature in cursive script that reads "Don Richards".

Communication Sciences Corporation,  
Don Richards, CEO